

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Savannah

5102 LaRoche Avenue

Savannah, GA 31404

Tel: (912)354-7858

TestAmerica Job ID: 680-117253-3

Client Project/Site: Gold King Mine - Region 8 (Waters)

Revision: 1

For:

Weston Solutions, Inc.

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Suite 100

Lakewood, Colorado 80215

Attn: Moira Pryhoda



Authorized for release by:

10/12/2015 11:43:13 AM

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Method Summary

Client: Weston Solutions, Inc.

Project/Site: Gold King Mine - Region 8 (Waters)

TestAmerica Job ID: 680-117253-3

Method	Method Description	Protocol	Laboratory
300.0	Anions, Ion Chromatography	MCAWW	TAL SAV
200.7 Rev 4.4	Metals (ICP)	EPA	TAL SAV
200.8	Metals (ICP/MS)	EPA	TAL SAV
2340B-2011	Total Hardness (as CaCO ₃) by calculation	SM	TAL SAV
245.1	Mercury (CVAA)	EPA	TAL SAV
2320B-2011	Alkalinity, Total	SM	TAL SAV
4500 H+ B-2011	pH	SM	TAL SAV

Protocol References:

EPA = US Environmental Protection Agency

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater",

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Sample Summary

Client: Weston Solutions, Inc.

Project/Site: Gold King Mine - Region 8 (Waters)

TestAmerica Job ID: 680-117253-3

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-117253-19	CC06_092815_0950	Water	09/28/15 09:50	09/30/15 09:35
680-117253-20	GSP1_092815_1118	Water	09/28/15 11:18	09/30/15 09:35

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TestAmerica Savannah

Definitions/Glossary

Client: Weston Solutions, Inc.

Project/Site: Gold King Mine - Region 8 (Waters)

TestAmerica Job ID: 680-117253-3

Qualifiers

HPLC/IC

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
H	Sample was prepped or analyzed beyond the specified holding time
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
B	Compound was found in the blank and sample.
F1	MS and/or MSD Recovery is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

General Chemistry

Qualifier	Qualifier Description
HF	Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation

These commonly used abbreviations may or may not be present in this report.

□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: Weston Solutions, Inc.

Project/Site: Gold King Mine - Region 8 (Waters)

TestAmerica Job ID: 680-117253-3

Job ID: 680-117253-3

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE

Client: Weston Solutions, Inc.

Project: Gold King Mine - Region 8 (Waters)

Report Number: 680-117253-3

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In the event of interference or analytes present at high concentrations, samples may be diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

REVISION 1

Revision required due to omittance of recoveries and RPD's for dissolved magnesium.

RECEIPT

The samples were received on 09/30/2015; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 4.0° C and 5.7° C.

DISSOLVED METALS (ICP)

Samples CC06_092815_0950 (680-117253-19) and GSP1_092815_1118 (680-117253-20) were analyzed for dissolved metals (ICP) in accordance with EPA Method 200.7. The samples were prepared on 09/30/2015 and analyzed on 09/30/2015 and 10/01/2015.

Aluminum, Dissolved, Calcium, Dissolved and Iron, Dissolved failed the recovery criteria low for the MS of sample CC06_092815_0950MS (680-117253-19) in batch 680-403758.

Calcium, Dissolved and Iron, Dissolved failed the recovery criteria low for the MSD of sample CC06_092815_0950MSD (680-117253-19) in batch 680-403758. Potassium, Dissolved and Sodium, Dissolved failed the recovery criteria high.

Refer to the QC report for details.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

TOTAL METALS (ICP)

Samples CC06_092815_0950 (680-117253-19) and GSP1_092815_1118 (680-117253-20) were analyzed for total metals (ICP) in accordance with EPA Method 200.7. The samples were prepared on 09/30/2015 and analyzed on 09/30/2015 and 10/01/2015.

Calcium was detected in method blank MB 680-403578/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

Calcium, Iron and Magnesium failed the recovery criteria low for the MS of sample GSP1_092815_1118MS (680-117253-20) in batch 680-403758.

Calcium failed the recovery criteria low for the MSD of sample GSP1_092815_1118MSD (680-117253-20) in batch 680-403758. Magnesium failed the recovery criteria high.

The continuing calibration verification was above upper recovery limits for one or more of the following analytes: Aluminum. The data has been flagged and reported.

Case Narrative

Client: Weston Solutions, Inc.

Project/Site: Gold King Mine - Region 8 (Waters)

TestAmerica Job ID: 680-117253-3

Job ID: 680-117253-3 (Continued)

Laboratory: TestAmerica Savannah (Continued)

CC06_092815_0950 (680-117253-19), (CCB 680-403758/63), (CCB 680-403758/75), (CCB 680-403758/79), (CCB 680-403758/81), (CCV 680-403758/62), (CCV 680-403758/74), (CCV 680-403758/78), (CCV 680-403758/80), (680-117246-A-10-E), (680-117246-A-10-F MS), (680-117246-A-10-G MS), (680-117246-A-10-E PD), (680-117246-A-10-E SD), (680-117253-A-20-F MS) and (680-117253-A-20-G MS)

Refer to the QC report for details.

Samples CC06_092815_0950 (680-117253-19)[10X] and GSP1_092815_1118 (680-117253-20)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

DISSOLVED METALS (ICPMS)

Samples CC06_092815_0950 (680-117253-19) and GSP1_092815_1118 (680-117253-20) were analyzed for dissolved metals (ICPMS) in accordance with EPA Method 200.8. The samples were prepared on 09/30/2015 and analyzed on 09/30/2015 and 10/01/2015.

Copper, Dissolved, Manganese, Dissolved and Zinc, Dissolved failed the recovery criteria low for the MS of sample CC06_092815_0950MS (680-117253-19) in batch 680-403750. Beryllium, Dissolved failed the recovery criteria high.

Copper, Dissolved, Manganese, Dissolved and Zinc, Dissolved failed the recovery criteria low for the MSD of sample CC06_092815_0950MSD (680-117253-19) in batch 680-403750. Beryllium, Dissolved failed the recovery criteria high.

Refer to the QC report for details.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

TOTAL METALS (ICPMS)

Samples CC06_092815_0950 (680-117253-19) and GSP1_092815_1118 (680-117253-20) were analyzed for total metals (ICPMS) in accordance with EPA Method 200.8. The samples were prepared on 09/30/2015 and analyzed on 09/30/2015 and 10/01/2015.

Cadmium, Dissolved was detected in method blank MB 680-403563/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Barium and Lead were detected in method blank MB 680-403576/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

Copper, Manganese and Zinc failed the recovery criteria low for the MS of sample GSP1_092815_1118MS (680-117253-20) in batch 680-403750.

Manganese and Zinc failed the recovery criteria low for the MSD of sample GSP1_092815_1118MSD (680-117253-20) in batch 680-403750. Copper failed the recovery criteria high.

The presence of the '4' qualifier indicates analytes where the concentration in the unspiked sample exceeded four times the spiking amount.

Refer to the QC report for details.

Samples CC06_092815_0950 (680-117253-19)[100X] and GSP1_092815_1118 (680-117253-20)[100X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

DISSOLVED MERCURY (CVAA)

Samples CC06_092815_0950 (680-117253-19) and GSP1_092815_1118 (680-117253-20) were analyzed for dissolved mercury (CVAA) in accordance with EPA Method 245.1. The samples were prepared and analyzed on 09/30/2015.

Case Narrative

Client: Weston Solutions, Inc.

Project/Site: Gold King Mine - Region 8 (Waters)

TestAmerica Job ID: 680-117253-3

Job ID: 680-117253-3 (Continued)

Laboratory: TestAmerica Savannah (Continued)

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

TOTAL MERCURY

Samples CC06_092815_0950 (680-117253-19) and GSP1_092815_1118 (680-117253-20) were analyzed for total mercury in accordance with EPA Method 245.1. The samples were prepared and analyzed on 09/30/2015.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

ALKALINITY

Samples CC06_092815_0950 (680-117253-19) and GSP1_092815_1118 (680-117253-20) were analyzed for alkalinity in accordance with SM 2320B. The samples were analyzed on 09/30/2015.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

ANIONS BY ION CHROMATOGRAPHY (28 DAY)

Samples CC06_092815_0950 (680-117253-19) and GSP1_092815_1118 (680-117253-20) were analyzed for Anions by Ion Chromatography (28 Day) in accordance with EPA Method 300.0. The samples were analyzed on 09/30/2015 and 10/01/2015.

Samples CC06_092815_0950 (680-117253-19)[2X], CC06_092815_0950 (680-117253-19)[50X] and GSP1_092815_1118 (680-117253-20)[50X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

ANIONS BY ION CHROMATOGRAPHY (48 HOUR)

Samples CC06_092815_0950 (680-117253-19) and GSP1_092815_1118 (680-117253-20) were analyzed for Anions by Ion Chromatography (48 Hour) in accordance with EPA Method 300.0. The samples were analyzed on 09/30/2015.

Sample CC06_092815_0950 (680-117253-19)[2X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

TOTAL HARDNESS (AS CaCO₃) BY CALCULATION

Samples CC06_092815_0950 (680-117253-19) and GSP1_092815_1118 (680-117253-20) were analyzed for total hardness (as CaCO₃) by calculation in accordance with SM 2340B. The samples were analyzed on 10/01/2015.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

CORROSIVITY (pH)

Samples CC06_092815_0950 (680-117253-19) and GSP1_092815_1118 (680-117253-20) were analyzed for corrosivity (pH) in accordance with SM 4500 H+ B. The samples were analyzed on 09/30/2015.

This analysis is normally performed in the field and has a method-defined holding time of 15 minutes. This sample(s) was performed in the laboratory outside the 15 minute timeframe.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Client Sample Results

Client: Weston Solutions, Inc.

Project/Site: Gold King Mine - Region 8 (Waters)

TestAmerica Job ID: 680-117253-3

Client Sample ID: CC06_092815_0950

Lab Sample ID: 680-117253-19

Matrix: Water

Date Collected: 09/28/15 09:50

Date Received: 09/30/15 09:35

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	0.44	J	1.0	0.40	mg/L			09/30/15 22:38	2
Nitrate as N	0.046	U H	0.10	0.046	mg/L			09/30/15 14:18	2
Fluoride	9.8		0.20	0.080	mg/L			09/30/15 22:38	2
Sulfate	1500		50	20	mg/L			10/01/15 06:05	50

Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	25000	A	200	24	ug/L			09/30/15 12:33	09/30/15 22:40
Calcium	360000	B	500	25	ug/L			09/30/15 12:33	09/30/15 22:40
Iron	100000		50	17	ug/L			09/30/15 12:33	09/30/15 22:40
Magnesium	24000		5000	330	ug/L			09/30/15 12:33	10/01/15 08:54
Potassium	2500		1000	17	ug/L			09/30/15 12:33	09/30/15 22:40
Sodium	4400		1000	480	ug/L			09/30/15 12:33	09/30/15 22:40

Method: 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum, Dissolved	23000		200	24	ug/L			09/30/15 11:47	09/30/15 18:11
Calcium, Dissolved	360000		500	25	ug/L			09/30/15 11:47	09/30/15 18:11
Iron, Dissolved	74000		50	17	ug/L			09/30/15 11:47	09/30/15 18:11
Magnesium, Dissolved	23000		5000	330	ug/L			09/30/15 11:47	10/01/15 08:40
Potassium, Dissolved	2300		1000	17	ug/L			09/30/15 11:47	09/30/15 18:11
Sodium, Dissolved	4000		1000	480	ug/L			09/30/15 11:47	09/30/15 18:11

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.9		1.0	0.40	ug/L			09/30/15 12:33	09/30/15 22:35
Arsenic	37		1.0	0.37	ug/L			09/30/15 12:33	09/30/15 22:35
Barium	11	B	2.0	0.14	ug/L			09/30/15 12:33	09/30/15 22:35
Beryllium	15	U	40	15	ug/L			09/30/15 12:33	10/01/15 10:27
Cadmium	71		0.50	0.043	ug/L			09/30/15 12:33	09/30/15 22:35
Chromium	3.6		2.0	1.0	ug/L			09/30/15 12:33	09/30/15 22:35
Cobalt	94		0.40	0.12	ug/L			09/30/15 12:33	09/30/15 22:35
Copper	5700		100	50	ug/L			09/30/15 12:33	10/01/15 10:27
Lead	38	B	0.30	0.060	ug/L			09/30/15 12:33	09/30/15 22:35
Manganese	32000		250	120	ug/L			09/30/15 12:33	10/01/15 10:27
Molybdenum	4.1		1.0	0.45	ug/L			09/30/15 12:33	09/30/15 22:35
Nickel	55		1.0	0.40	ug/L			09/30/15 12:33	09/30/15 22:35
Selenium	2.5		2.0	0.58	ug/L			09/30/15 12:33	09/30/15 22:35
Silver	0.10	U	1.0	0.10	ug/L			09/30/15 12:33	09/30/15 22:35
Thallium	0.28		0.20	0.10	ug/L			09/30/15 12:33	09/30/15 22:35
Vanadium	25		1.0	0.30	ug/L			09/30/15 12:33	09/30/15 22:35
Zinc	23000		2000	280	ug/L			09/30/15 12:33	10/01/15 10:27

Method: 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony, Dissolved	0.54	J	1.0	0.40	ug/L			09/30/15 11:47	09/30/15 18:49
Arsenic, Dissolved	5.9		1.0	0.37	ug/L			09/30/15 11:47	09/30/15 18:49
Barium, Dissolved	10		2.0	0.14	ug/L			09/30/15 11:47	09/30/15 18:49
Beryllium, Dissolved	15	U F1	40	15	ug/L			09/30/15 11:47	10/01/15 09:30
Cadmium, Dissolved	70	B	0.50	0.043	ug/L			09/30/15 11:47	09/30/15 18:49

TestAmerica Savannah

Client Sample Results

Client: Weston Solutions, Inc.

Project/Site: Gold King Mine - Region 8 (Waters)

TestAmerica Job ID: 680-117253-3

Client Sample ID: CC06_092815_0950

Lab Sample ID: 680-117253-19

Matrix: Water

Date Collected: 09/28/15 09:50

Date Received: 09/30/15 09:35

Method: 200.8 - Metals (ICP/MS) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, Dissolved	2.1		2.0	1.0	ug/L		09/30/15 11:47	09/30/15 18:49	1
Cobalt, Dissolved	94		0.40	0.12	ug/L		09/30/15 11:47	09/30/15 18:49	1
Copper, Dissolved	5700		100	50	ug/L		09/30/15 11:47	10/01/15 09:30	100
Lead, Dissolved	28		0.30	0.060	ug/L		09/30/15 11:47	09/30/15 18:49	1
Manganese, Dissolved	32000		250	120	ug/L		09/30/15 11:47	10/01/15 09:30	100
Molybdenum, Dissolved	0.73 J		1.0	0.45	ug/L		09/30/15 11:47	09/30/15 18:49	1
Nickel, Dissolved	55		1.0	0.40	ug/L		09/30/15 11:47	09/30/15 18:49	1
Selenium, Dissolved	1.7 J		2.0	0.58	ug/L		09/30/15 11:47	09/30/15 18:49	1
Silver, Dissolved	0.10 U		1.0	0.10	ug/L		09/30/15 11:47	09/30/15 18:49	1
Thallium, Dissolved	0.27		0.20	0.10	ug/L		09/30/15 11:47	09/30/15 18:49	1
Vanadium, Dissolved	3.4		1.0	0.30	ug/L		09/30/15 11:47	09/30/15 18:49	1
Zinc, Dissolved	23000		2000	280	ug/L		09/30/15 11:47	10/01/15 09:30	100

Method: 2340B-2011 - Total Hardness (as CaCO₃) by calculation

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Hardness	1000			3.3	mg/L			10/01/15 11:58	1

Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.080	U	0.20	0.080	ug/L		09/30/15 12:05	09/30/15 17:55	1

Method: 245.1 - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.080	U	0.20	0.080	ug/L		09/30/15 12:42	09/30/15 19:20	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	3.19	HF			SU			09/30/15 16:55	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	5.0	U		5.0	mg/L			09/30/15 16:55	1

Client Sample ID: GSP1_092815_1118

Lab Sample ID: 680-117253-20

Matrix: Water

Date Collected: 09/28/15 11:18

Date Received: 09/30/15 09:35

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	0.37 J		0.50	0.20	mg/L			09/30/15 22:53	1
Nitrate as N	0.023	U	0.050	0.023	mg/L			09/30/15 12:30	1
Fluoride	6.8		0.10	0.040	mg/L			09/30/15 22:53	1
Sulfate	1300		50	20	mg/L			10/01/15 06:51	50

Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	10000		200	24	ug/L		09/30/15 12:33	09/30/15 20:30	1
Calcium	400000 B		500	25	ug/L		09/30/15 12:33	09/30/15 20:30	1
Iron	23000		50	17	ug/L		09/30/15 12:33	09/30/15 20:30	1
Magnesium	24000		5000	330	ug/L		09/30/15 12:33	10/01/15 10:29	10
Potassium	2200		1000	17	ug/L		09/30/15 12:33	09/30/15 20:30	1
Sodium	5600		1000	480	ug/L		09/30/15 12:33	09/30/15 20:30	1

TestAmerica Savannah

Client Sample Results

Client: Weston Solutions, Inc.

Project/Site: Gold King Mine - Region 8 (Waters)

TestAmerica Job ID: 680-117253-3

Client Sample ID: GSP1_092815_1118

Lab Sample ID: 680-117253-20

Matrix: Water

Date Collected: 09/28/15 11:18

Date Received: 09/30/15 09:35

Method: 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum, Dissolved	7000		200	24	ug/L		09/30/15 11:47	09/30/15 20:12	1
Calcium, Dissolved	400000		500	25	ug/L		09/30/15 11:47	09/30/15 20:12	1
Iron, Dissolved	12000		50	17	ug/L		09/30/15 11:47	09/30/15 20:12	1
Magnesium, Dissolved	24000		5000	330	ug/L		09/30/15 11:47	10/01/15 10:43	10
Potassium, Dissolved	2100		1000	17	ug/L		09/30/15 11:47	09/30/15 20:12	1
Sodium, Dissolved	5400		1000	480	ug/L		09/30/15 11:47	09/30/15 20:12	1

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.40	U	1.0	0.40	ug/L		09/30/15 12:33	09/30/15 20:53	1
Arsenic	4.7		1.0	0.37	ug/L		09/30/15 12:33	09/30/15 20:53	1
Barium	15 B		2.0	0.14	ug/L		09/30/15 12:33	09/30/15 20:53	1
Beryllium	15 U		40	15	ug/L		09/30/15 12:33	10/01/15 09:56	100
Cadmium	54		0.50	0.043	ug/L		09/30/15 12:33	09/30/15 20:53	1
Chromium	1.0	U	2.0	1.0	ug/L		09/30/15 12:33	09/30/15 20:53	1
Cobalt	86		0.40	0.12	ug/L		09/30/15 12:33	09/30/15 20:53	1
Copper	2000		1.0	0.50	ug/L		09/30/15 12:33	09/30/15 20:53	1
Lead	8.9 B		0.30	0.060	ug/L		09/30/15 12:33	09/30/15 20:53	1
Manganese	28000		250	120	ug/L		09/30/15 12:33	10/01/15 09:56	100
Molybdenum	0.79 J		1.0	0.45	ug/L		09/30/15 12:33	09/30/15 20:53	1
Nickel	43		1.0	0.40	ug/L		09/30/15 12:33	09/30/15 20:53	1
Selenium	1.0 J		2.0	0.58	ug/L		09/30/15 12:33	09/30/15 20:53	1
Silver	0.10	U	1.0	0.10	ug/L		09/30/15 12:33	09/30/15 20:53	1
Thallium	0.22		0.20	0.10	ug/L		09/30/15 12:33	09/30/15 20:53	1
Vanadium	3.6		1.0	0.30	ug/L		09/30/15 12:33	09/30/15 20:53	1
Zinc	17000		2000	280	ug/L		09/30/15 12:33	10/01/15 09:56	100

Method: 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony, Dissolved	0.40	U	1.0	0.40	ug/L		09/30/15 11:47	09/30/15 20:30	1
Arsenic, Dissolved	0.37	U	1.0	0.37	ug/L		09/30/15 11:47	09/30/15 20:30	1
Barium, Dissolved	14		2.0	0.14	ug/L		09/30/15 11:47	09/30/15 20:30	1
Beryllium, Dissolved	3.2		0.40	0.15	ug/L		09/30/15 11:47	09/30/15 20:30	1
Cadmium, Dissolved	51 B		0.50	0.043	ug/L		09/30/15 11:47	09/30/15 20:30	1
Chromium, Dissolved	1.0	U	2.0	1.0	ug/L		09/30/15 11:47	09/30/15 20:30	1
Cobalt, Dissolved	81		0.40	0.12	ug/L		09/30/15 11:47	09/30/15 20:30	1
Copper, Dissolved	1600		1.0	0.50	ug/L		09/30/15 11:47	09/30/15 20:30	1
Lead, Dissolved	0.99		0.30	0.060	ug/L		09/30/15 11:47	09/30/15 20:30	1
Manganese, Dissolved	27000		250	120	ug/L		09/30/15 11:47	10/01/15 09:52	100
Molybdenum, Dissolved	0.45	U	1.0	0.45	ug/L		09/30/15 11:47	09/30/15 20:30	1
Nickel, Dissolved	40		1.0	0.40	ug/L		09/30/15 11:47	09/30/15 20:30	1
Selenium, Dissolved	1.1 J		2.0	0.58	ug/L		09/30/15 11:47	09/30/15 20:30	1
Silver, Dissolved	0.10	U	1.0	0.10	ug/L		09/30/15 11:47	09/30/15 20:30	1
Thallium, Dissolved	0.20		0.20	0.10	ug/L		09/30/15 11:47	09/30/15 20:30	1
Vanadium, Dissolved	0.30	U	1.0	0.30	ug/L		09/30/15 11:47	09/30/15 20:30	1
Zinc, Dissolved	16000		2000	280	ug/L		09/30/15 11:47	10/01/15 09:52	100

Method: 2340B-2011 - Total Hardness (as CaCO3) by calculation

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Hardness	1100		3.3	3.3	mg/L		10/01/15 11:58		1

TestAmerica Savannah

Client Sample Results

Client: Weston Solutions, Inc.

Project/Site: Gold King Mine - Region 8 (Waters)

TestAmerica Job ID: 680-117253-3

Client Sample ID: GSP1_092815_1118

Lab Sample ID: 680-117253-20

Matrix: Water

Date Collected: 09/28/15 11:18

Date Received: 09/30/15 09:35

Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.080	U	0.20	0.080	ug/L	D	09/30/15 12:05	09/30/15 18:04	1

Method: 245.1 - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.080	U	0.20	0.080	ug/L	D	09/30/15 12:42	09/30/15 19:24	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	4.58	HF			SU			09/30/15 17:00	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	5.0	U	5.0	5.0	mg/L	D		09/30/15 17:00	1

QC Sample Results

Client: Weston Solutions, Inc.

Project/Site: Gold King Mine - Region 8 (Waters)

TestAmerica Job ID: 680-117253-3

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 680-403575/2

Matrix: Water

Analysis Batch: 403575

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Nitrate as N	0.023	U	0.050	0.023	mg/L			09/30/15 09:19	1

Lab Sample ID: LCS 680-403575/3

Matrix: Water

Analysis Batch: 403575

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec.	Limits	RPD
	Added	Result	Qualifier						
Nitrate as N	0.999	1.03		mg/L		103	90 - 110		

Lab Sample ID: LCSD 680-403575/4

Matrix: Water

Analysis Batch: 403575

Analyte	Spike	LCSD	LCSD	Unit	D	%Rec	%Rec.	Limits	RPD
	Added	Result	Qualifier						
Nitrate as N	0.999	1.04		mg/L		104	90 - 110		1

Lab Sample ID: 680-117213-F-6 MS

Matrix: Water

Analysis Batch: 403575

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.
	Result	Qualifier	Added	Result	Qualifier				
Nitrate as N	0.067		0.999	1.15		mg/L		109	80 - 120

Lab Sample ID: 680-117213-F-6 MSD

Matrix: Water

Analysis Batch: 403575

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.
	Result	Qualifier	Added	Result	Qualifier				
Nitrate as N	0.067		0.999	1.13		mg/L		107	80 - 120

Lab Sample ID: 680-117213-F-5 DU

Matrix: Water

Analysis Batch: 403575

Analyte	Sample	Sample	Spike	DU	DU	Unit	D	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				
Nitrate as N	0.023	U		0.023	U	mg/L		NC	30

Lab Sample ID: MB 680-403728/37

Matrix: Water

Analysis Batch: 403728

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Chloride	0.20	U	0.50	0.20	mg/L			09/30/15 18:16	1
Fluoride	0.040	U	0.10	0.040	mg/L			09/30/15 18:16	1

TestAmerica Savannah

QC Sample Results

Client: Weston Solutions, Inc.

Project/Site: Gold King Mine - Region 8 (Waters)

TestAmerica Job ID: 680-117253-3

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 680-403728/38

Matrix: Water

Analysis Batch: 403728

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	10.0	10.2		mg/L		102	90 - 110
Fluoride	2.00	2.17		mg/L		108	90 - 110

Lab Sample ID: LCSD 680-403728/39

Matrix: Water

Analysis Batch: 403728

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	10.0	10.2		mg/L		102	90 - 110	0	30
Fluoride	2.00	2.17		mg/L		109	90 - 110	0	30

Lab Sample ID: 680-117253-C-16 MS

Matrix: Water

Analysis Batch: 403728

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	0.70		10.0	10.8		mg/L		101	80 - 120
Fluoride	0.41		2.00	2.49		mg/L		104	80 - 120

Lab Sample ID: 680-117253-C-16 MSD

Matrix: Water

Analysis Batch: 403728

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	0.70		10.0	10.9		mg/L		102	80 - 120	1	30
Fluoride	0.41		2.00	2.51		mg/L		105	80 - 120	1	30

Lab Sample ID: 680-117253-C-16 DU

Matrix: Water

Analysis Batch: 403728

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Chloride	0.70			0.696		mg/L				0.1	30
Fluoride	0.41			0.410		mg/L				0.2	30

Lab Sample ID: MB 680-403729/71

Matrix: Water

Analysis Batch: 403729

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	0.40	U		0.40	mg/L			10/01/15 03:00	1

Lab Sample ID: LCS 680-403729/72

Matrix: Water

Analysis Batch: 403729

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	10.0	9.97		mg/L		100	90 - 110

TestAmerica Savannah

QC Sample Results

Client: Weston Solutions, Inc.

Project/Site: Gold King Mine - Region 8 (Waters)

TestAmerica Job ID: 680-117253-3

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 680-403729/73

Matrix: Water

Analysis Batch: 403729

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfate	10.0	10.1		mg/L		101	90 - 110	1	30

Lab Sample ID: 680-117253-C-16 MS

Matrix: Water

Analysis Batch: 403729

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	200		50.0	242		mg/L		85	80 - 120

Lab Sample ID: 680-117253-C-16 MSD

Matrix: Water

Analysis Batch: 403729

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfate	200		50.0	242		mg/L		85	80 - 120	0	30

Lab Sample ID: 680-117253-C-16 DU

Matrix: Water

Analysis Batch: 403729

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Sulfate	200			197		mg/L				1	30

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 680-403569/1-A

Matrix: Water

Analysis Batch: 403758

Client Sample ID: Method Blank
Prep Type: Total/NA

Prep Batch: 403569

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aluminum, Dissolved	24	U	200	24	ug/L		09/30/15 11:47	09/30/15 17:58	1
Calcium, Dissolved	25	U	500	25	ug/L		09/30/15 11:47	09/30/15 17:58	1
Iron, Dissolved	17	U	50	17	ug/L		09/30/15 11:47	09/30/15 17:58	1
Magnesium, Dissolved	33	U	500	33	ug/L		09/30/15 11:47	09/30/15 17:58	1
Potassium, Dissolved	17	U	1000	17	ug/L		09/30/15 11:47	09/30/15 17:58	1
Sodium, Dissolved	480	U	1000	480	ug/L		09/30/15 11:47	09/30/15 17:58	1

Lab Sample ID: LCS 680-403569/2-A

Matrix: Water

Analysis Batch: 403758

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 403569

Analyte	Spike Added	LCS		Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
Aluminum, Dissolved	2000	2060		ug/L		103	85 - 115
Calcium, Dissolved	2000	2020		ug/L		101	85 - 115
Iron, Dissolved	2000	2030		ug/L		101	85 - 115
Magnesium, Dissolved	2000	2040		ug/L		102	85 - 115
Potassium, Dissolved	2000	2150		ug/L		108	85 - 115
Sodium, Dissolved	2000	1920		ug/L		96	85 - 115

TestAmerica Savannah

QC Sample Results

Client: Weston Solutions, Inc.

Project/Site: Gold King Mine - Region 8 (Waters)

TestAmerica Job ID: 680-117253-3

Method: 200.7 Rev 4.4 - Metals (ICP) (Continued)

Lab Sample ID: MB 680-403578/1-A

Matrix: Water

Analysis Batch: 403758

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 403578

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aluminum	24	U	200	24	ug/L		09/30/15 12:33	09/30/15 20:16	1
Calcium	45.2	J	500	25	ug/L		09/30/15 12:33	09/30/15 20:16	1
Iron	17	U	50	17	ug/L		09/30/15 12:33	09/30/15 20:16	1
Magnesium	33	U	500	33	ug/L		09/30/15 12:33	09/30/15 20:16	1
Potassium	17	U	1000	17	ug/L		09/30/15 12:33	09/30/15 20:16	1
Sodium	480	U	1000	480	ug/L		09/30/15 12:33	09/30/15 20:16	1

Lab Sample ID: LCS 680-403578/2-A

Matrix: Water

Analysis Batch: 403758

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 403578

Analyte	Spike Added	LCS		Unit	D	%Rec	Limits
		Result	Qualifier				
Aluminum	2000	2120		ug/L		106	85 - 115
Calcium	2000	2050		ug/L		102	85 - 115
Iron	2000	2060		ug/L		103	85 - 115
Magnesium	2000	2080		ug/L		104	85 - 115
Potassium	2000	2250		ug/L		112	85 - 115
Sodium	2000	2090		ug/L		104	85 - 115

Lab Sample ID: 680-117253-20 MS

Matrix: Water

Analysis Batch: 403758

Client Sample ID: GSP1_092815_1118

Prep Type: Total/NA

Prep Batch: 403578

Analyte	Sample		Spike Added	MS		Unit	D	%Rec	Limits
	Result	Qualifier		Result	Qualifier				
Aluminum	10000		2000	11800	4 ^	ug/L		83	75 - 125
Calcium	400000	B	2000	394000	4	ug/L		-500	75 - 125
Iron	23000		2000	24500	4	ug/L		60	75 - 125
Potassium	2200		2000	4620		ug/L		122	75 - 125
Sodium	5600		2000	7540		ug/L		98	75 - 125

Lab Sample ID: 680-117253-20 MS

Matrix: Water

Analysis Batch: 403758

Client Sample ID: GSP1_092815_1118

Prep Type: Total/NA

Prep Batch: 403578

Analyte	Sample		Spike Added	MS		Unit	D	%Rec	Limits
	Result	Qualifier		Result	Qualifier				
Magnesium	24000		2000	25100	4	ug/L		71	75 - 125

Lab Sample ID: 680-117253-20 MSD

Matrix: Water

Analysis Batch: 403758

Client Sample ID: GSP1_092815_1118

Prep Type: Total/NA

Prep Batch: 403578

Analyte	Sample		Spike Added	MSD		Unit	D	%Rec	Limits	RPD
	Result	Qualifier		Result	Qualifier					
Aluminum	10000		2000	12000	4 ^	ug/L		91	75 - 125	1
Calcium	400000	B	2000	401000	4	ug/L		-111	75 - 125	2
Iron	23000		2000	24800	4	ug/L		79	75 - 125	1
Potassium	2200		2000	4670		ug/L		124	75 - 125	1
Sodium	5600		2000	7740		ug/L		108	75 - 125	3

TestAmerica Savannah

QC Sample Results

Client: Weston Solutions, Inc.

Project/Site: Gold King Mine - Region 8 (Waters)

TestAmerica Job ID: 680-117253-3

Method: 200.7 Rev 4.4 - Metals (ICP) (Continued)

Lab Sample ID: 680-117253-20 MSD

Matrix: Water

Analysis Batch: 403758

Client Sample ID: GSP1_092815_1118

Prep Type: Total/NA

Prep Batch: 403578

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec.	RPD	RPD Limit
Magnesium	24000		2000	26200	4	ug/L		129	75 - 125	5	20

Lab Sample ID: 680-117253-19 MS

Matrix: Water

Analysis Batch: 403758

Client Sample ID: CC06_092815_0950

Prep Type: Dissolved

Prep Batch: 403569

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec.	Limits
Aluminum, Dissolved	23000		2000	24500	4	ug/L		64	75 - 125	
Calcium, Dissolved	360000		2000	350000	4	ug/L		-534	75 - 125	
Iron, Dissolved	74000		2000	73600	4	ug/L		-15	75 - 125	
Potassium, Dissolved	2300		2000	4750		ug/L		121	75 - 125	
Sodium, Dissolved	4000		2000	6040		ug/L		101	75 - 125	

Lab Sample ID: 680-117253-19 MS

Matrix: Water

Analysis Batch: 403758

Client Sample ID: CC06_092815_0950

Prep Type: Dissolved

Prep Batch: 403569

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec.	Limits
Magnesium, Dissolved	23000		2000	24500	4	ug/L		68	75 - 125	

Lab Sample ID: 680-117253-19 MSD

Matrix: Water

Analysis Batch: 403758

Client Sample ID: CC06_092815_0950

Prep Type: Dissolved

Prep Batch: 403569

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec.	RPD	RPD Limit
Aluminum, Dissolved	23000		2000	24700	4	ug/L		102	75 - 125	1	20
Calcium, Dissolved	360000		2000	354000	4	ug/L		-439	75 - 125	1	20
Iron, Dissolved	74000		2000	74300	4	ug/L		-5	75 - 125	1	20
Potassium, Dissolved	1900	J F1	2000	4780	F1	ug/L		146	75 - 125	1	20
Sodium, Dissolved	4800	U F1	2000	5990	F1	ug/L		300	75 - 125	1	20

Lab Sample ID: 680-117253-19 MSD

Matrix: Water

Analysis Batch: 403758

Client Sample ID: CC06_092815_0950

Prep Type: Dissolved

Prep Batch: 403569

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec.	RPD	RPD Limit
Magnesium, Dissolved	23000		2000	24800	4	ug/L		83	75 - 125	1	20

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 680-403563/1-A

Matrix: Water

Analysis Batch: 403750

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 403563

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Antimony, Dissolved	0.40	U	1.0	0.40	ug/L		09/30/15 11:47	09/30/15 18:37	1
Arsenic, Dissolved	0.37	U	1.0	0.37	ug/L		09/30/15 11:47	09/30/15 18:37	1
Barium, Dissolved	0.14	U	2.0	0.14	ug/L		09/30/15 11:47	09/30/15 18:37	1
Beryllium, Dissolved	0.15	U	0.40	0.15	ug/L		09/30/15 11:47	09/30/15 18:37	1

TestAmerica Savannah

QC Sample Results

Client: Weston Solutions, Inc.

Project/Site: Gold King Mine - Region 8 (Waters)

TestAmerica Job ID: 680-117253-3

Method: 200.8 - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 680-403563/1-A

Matrix: Water

Analysis Batch: 403750

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 403563

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Cadmium, Dissolved	0.199	J	0.50	0.043	ug/L		09/30/15 11:47	09/30/15 18:37	1
Chromium, Dissolved	1.0	U	2.0	1.0	ug/L		09/30/15 11:47	09/30/15 18:37	1
Cobalt, Dissolved	0.12	U	0.40	0.12	ug/L		09/30/15 11:47	09/30/15 18:37	1
Copper, Dissolved	0.50	U	1.0	0.50	ug/L		09/30/15 11:47	09/30/15 18:37	1
Lead, Dissolved	0.060	U	0.30	0.060	ug/L		09/30/15 11:47	09/30/15 18:37	1
Manganese, Dissolved	1.2	U	2.5	1.2	ug/L		09/30/15 11:47	09/30/15 18:37	1
Molybdenum, Dissolved	0.45	U	1.0	0.45	ug/L		09/30/15 11:47	09/30/15 18:37	1
Nickel, Dissolved	0.40	U	1.0	0.40	ug/L		09/30/15 11:47	09/30/15 18:37	1
Selenium, Dissolved	0.58	U	2.0	0.58	ug/L		09/30/15 11:47	09/30/15 18:37	1
Silver, Dissolved	0.10	U	1.0	0.10	ug/L		09/30/15 11:47	09/30/15 18:37	1
Thallium, Dissolved	0.10	U	0.20	0.10	ug/L		09/30/15 11:47	09/30/15 18:37	1
Vanadium, Dissolved	0.30	U	1.0	0.30	ug/L		09/30/15 11:47	09/30/15 18:37	1
Zinc, Dissolved	2.8	U	20	2.8	ug/L		09/30/15 11:47	09/30/15 18:37	1

Lab Sample ID: LCS 680-403563/2-A

Matrix: Water

Analysis Batch: 403750

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 403563

Analyte	Spike Added	LCS		Unit	D	%Rec	Limits
		Result	Qualifier				
Antimony, Dissolved	20.0	21.4		ug/L		107	85 - 115
Arsenic, Dissolved	40.0	42.0		ug/L		105	85 - 115
Barium, Dissolved	40.0	43.9		ug/L		110	85 - 115
Beryllium, Dissolved	20.0	22.0		ug/L		110	85 - 115
Cadmium, Dissolved	20.0	22.4		ug/L		112	85 - 115
Chromium, Dissolved	40.0	39.5		ug/L		99	85 - 115
Cobalt, Dissolved	20.0	20.2		ug/L		101	85 - 115
Copper, Dissolved	40.0	39.8		ug/L		99	85 - 115
Lead, Dissolved	200	188		ug/L		94	85 - 115
Manganese, Dissolved	200	197		ug/L		98	85 - 115
Molybdenum, Dissolved	40.0	40.2		ug/L		101	85 - 115
Nickel, Dissolved	40.0	39.9		ug/L		100	85 - 115
Selenium, Dissolved	40.0	42.1		ug/L		105	85 - 115
Silver, Dissolved	20.0	20.4		ug/L		102	85 - 115
Thallium, Dissolved	16.0	16.7		ug/L		105	85 - 115
Vanadium, Dissolved	40.0	39.7		ug/L		99	85 - 115
Zinc, Dissolved	40.0	42.0		ug/L		105	85 - 115

Lab Sample ID: MB 680-403576/1-A

Matrix: Water

Analysis Batch: 403750

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 403576

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Antimony	0.40	U	1.0	0.40	ug/L		09/30/15 12:33	09/30/15 20:42	1
Arsenic	0.37	U	1.0	0.37	ug/L		09/30/15 12:33	09/30/15 20:42	1
Barium	0.251	J	2.0	0.14	ug/L		09/30/15 12:33	09/30/15 20:42	1
Beryllium	0.15	U	0.40	0.15	ug/L		09/30/15 12:33	09/30/15 20:42	1
Cadmium	0.043	U	0.50	0.043	ug/L		09/30/15 12:33	09/30/15 20:42	1
Chromium	1.0	U	2.0	1.0	ug/L		09/30/15 12:33	09/30/15 20:42	1
Cobalt	0.12	U	0.40	0.12	ug/L		09/30/15 12:33	09/30/15 20:42	1

TestAmerica Savannah

QC Sample Results

Client: Weston Solutions, Inc.

Project/Site: Gold King Mine - Region 8 (Waters)

TestAmerica Job ID: 680-117253-3

Method: 200.8 - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 680-403576/1-A

Matrix: Water

Analysis Batch: 403750

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 403576

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Copper	0.50	U	1.0	0.50	ug/L		09/30/15 12:33	09/30/15 20:42	1
Lead	0.0900	J	0.30	0.060	ug/L		09/30/15 12:33	09/30/15 20:42	1
Manganese	1.2	U	2.5	1.2	ug/L		09/30/15 12:33	09/30/15 20:42	1
Molybdenum	0.45	U	1.0	0.45	ug/L		09/30/15 12:33	09/30/15 20:42	1
Nickel	0.40	U	1.0	0.40	ug/L		09/30/15 12:33	09/30/15 20:42	1
Selenium	0.58	U	2.0	0.58	ug/L		09/30/15 12:33	09/30/15 20:42	1
Silver	0.10	U	1.0	0.10	ug/L		09/30/15 12:33	09/30/15 20:42	1
Thallium	0.10	U	0.20	0.10	ug/L		09/30/15 12:33	09/30/15 20:42	1
Vanadium	0.30	U	1.0	0.30	ug/L		09/30/15 12:33	09/30/15 20:42	1
Zinc	2.8	U	20	2.8	ug/L		09/30/15 12:33	09/30/15 20:42	1

Lab Sample ID: LCS 680-403576/2-A

Matrix: Water

Analysis Batch: 403750

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 403576

%Rec.

Analyte	Spike Added	LCS		Unit	D	%Rec	Limits
		Result	Qualifier				
Antimony	20.0	21.7		ug/L		109	85 - 115
Arsenic	40.0	43.3		ug/L		108	85 - 115
Barium	40.0	44.3		ug/L		111	85 - 115
Beryllium	20.0	20.9		ug/L		105	85 - 115
Cadmium	20.0	21.4		ug/L		107	85 - 115
Chromium	40.0	38.6		ug/L		97	85 - 115
Cobalt	20.0	19.7		ug/L		98	85 - 115
Copper	40.0	39.4		ug/L		98	85 - 115
Lead	200	199		ug/L		99	85 - 115
Manganese	200	193		ug/L		96	85 - 115
Molybdenum	40.0	39.8		ug/L		99	85 - 115
Nickel	40.0	39.0		ug/L		97	85 - 115
Selenium	40.0	40.8		ug/L		102	85 - 115
Silver	20.0	20.9		ug/L		105	85 - 115
Thallium	16.0	17.4		ug/L		109	85 - 115
Vanadium	40.0	38.6		ug/L		97	85 - 115
Zinc	40.0	42.4		ug/L		106	85 - 115

Lab Sample ID: 680-117253-20 MS

Matrix: Water

Analysis Batch: 403750

Client Sample ID: GSP1_092815_1118

Prep Type: Total/NA

Prep Batch: 403576

%Rec.

Analyte	Sample Result	Sample Qualifier	Spike Added	MS		Unit	D	%Rec	Limits
				Result	Qualifier				
Antimony	0.40	U	20.0	22.8		ug/L		114	70 - 130
Arsenic	4.7		40.0	49.5		ug/L		112	70 - 130
Barium	15	B	40.0	58.4		ug/L		109	70 - 130
Cadmium	54		20.0	74.7		ug/L		102	70 - 130
Chromium	1.0	U	40.0	39.5		ug/L		99	70 - 130
Cobalt	86		20.0	103	4	ug/L		84	70 - 130
Copper	2000		40.0	2040	4	ug/L		-16	70 - 130
Lead	8.9	B	200	193		ug/L		92	70 - 130
Molybdenum	0.79	J	40.0	43.4		ug/L		106	70 - 130
Nickel	43		40.0	77.6		ug/L		86	70 - 130

TestAmerica Savannah

QC Sample Results

Client: Weston Solutions, Inc.

Project/Site: Gold King Mine - Region 8 (Waters)

TestAmerica Job ID: 680-117253-3

Method: 200.8 - Metals (ICP/MS) (Continued)

Lab Sample ID: 680-117253-20 MS

Matrix: Water

Analysis Batch: 403750

Client Sample ID: GSP1_092815_1118

Prep Type: Total/NA

Prep Batch: 403576

%Rec.

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	Limits
	Result	Qualifier	Added	Result	Qualifier				
Selenium	1.0	J	40.0	44.4		ug/L		108	70 - 130
Silver	0.10	U	20.0	20.4		ug/L		102	70 - 130
Thallium	0.22		16.0	16.6		ug/L		102	70 - 130
Vanadium	3.6		40.0	43.4		ug/L		100	70 - 130

Lab Sample ID: 680-117253-20 MS

Matrix: Water

Analysis Batch: 403750

Client Sample ID: GSP1_092815_1118

Prep Type: Total/NA

Prep Batch: 403576

%Rec.

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	Limits
	Result	Qualifier	Added	Result	Qualifier				
Beryllium	15	U	20.0	24.6	J	ug/L		123	70 - 130
Manganese	28000		200	27100	4	ug/L		-650	70 - 130
Zinc	17000		40.0	16100	4	ug/L		-1816	70 - 130

Lab Sample ID: 680-117253-20 MSD

Matrix: Water

Analysis Batch: 403750

Client Sample ID: GSP1_092815_1118

Prep Type: Total/NA

Prep Batch: 403576

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier						
Antimony	0.40	U	20.0	23.4		ug/L		117	70 - 130	2	20
Arsenic	4.7		40.0	51.0		ug/L		116	70 - 130	3	20
Barium	15	B	40.0	60.0		ug/L		113	70 - 130	3	20
Cadmium	54		20.0	77.9		ug/L		118	70 - 130	4	20
Chromium	1.0	U	40.0	41.1		ug/L		103	70 - 130	4	20
Cobalt	86		20.0	107	4	ug/L		106	70 - 130	4	20
Copper	2000		40.0	2130	4	ug/L		217	70 - 130	4	20
Lead	8.9	B	200	201		ug/L		96	70 - 130	4	20
Molybdenum	0.79	J	40.0	44.7		ug/L		110	70 - 130	3	20
Nickel	43		40.0	81.8		ug/L		96	70 - 130	5	20
Selenium	1.0	J	40.0	44.5		ug/L		109	70 - 130	0	20
Silver	0.10	U	20.0	20.7		ug/L		104	70 - 130	1	20
Thallium	0.22		16.0	17.7		ug/L		109	70 - 130	6	20
Vanadium	3.6		40.0	45.7		ug/L		105	70 - 130	5	20

Lab Sample ID: 680-117253-20 MSD

Matrix: Water

Analysis Batch: 403750

Client Sample ID: GSP1_092815_1118

Prep Type: Total/NA

Prep Batch: 403576

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier						
Beryllium	15	U	20.0	25.7	J	ug/L		129	70 - 130	4	20
Manganese	28000		200	28000	4	ug/L		-235	70 - 130	3	20
Zinc	17000		40.0	16600	4	ug/L		-568	70 - 130	3	20

Lab Sample ID: 680-117253-19 MS

Matrix: Water

Analysis Batch: 403750

Client Sample ID: CC06_092815_0950

Prep Type: Dissolved

Prep Batch: 403563

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	Limits
	Result	Qualifier	Added	Result	Qualifier				
Antimony, Dissolved	0.54	J	20.0	22.5		ug/L		110	70 - 130

TestAmerica Savannah

QC Sample Results

Client: Weston Solutions, Inc.

Project/Site: Gold King Mine - Region 8 (Waters)

TestAmerica Job ID: 680-117253-3

Method: 200.8 - Metals (ICP/MS) (Continued)

Lab Sample ID: 680-117253-19 MS

Matrix: Water

Analysis Batch: 403750

Client Sample ID: CC06_092815_0950

Prep Type: Dissolved

Prep Batch: 403563

%Rec.

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	Limits
	Result	Qualifier	Added	Result	Qualifier				
Arsenic, Dissolved	5.9		40.0	51.4		ug/L		114	70 - 130
Barium, Dissolved	10		40.0	54.1		ug/L		109	70 - 130
Cadmium, Dissolved	70	B	20.0	89.2		ug/L		97	70 - 130
Chromium, Dissolved	2.1		40.0	42.8		ug/L		102	70 - 130
Cobalt, Dissolved	94		20.0	112	4	ug/L		90	70 - 130
Lead, Dissolved	28		200	216		ug/L		94	70 - 130
Molybdenum, Dissolved	0.73	J	40.0	44.4		ug/L		109	70 - 130
Nickel, Dissolved	55		40.0	91.3		ug/L		92	70 - 130
Selenium, Dissolved	1.7	J	40.0	47.0		ug/L		113	70 - 130
Silver, Dissolved	0.10	U	20.0	19.7		ug/L		98	70 - 130
Thallium, Dissolved	0.27		16.0	17.3		ug/L		106	70 - 130
Vanadium, Dissolved	3.4		40.0	45.4		ug/L		105	70 - 130

Lab Sample ID: 680-117253-19 MS

Matrix: Water

Analysis Batch: 403750

Client Sample ID: CC06_092815_0950

Prep Type: Dissolved

Prep Batch: 403563

%Rec.

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	Limits
	Result	Qualifier	Added	Result	Qualifier				
Beryllium, Dissolved	15	U F1	20.0	31.6	J F1	ug/L		158	70 - 130
Copper, Dissolved	5700		40.0	5600	4	ug/L		-247	70 - 130
Manganese, Dissolved	32000		200	31400	4	ug/L		-426	70 - 130
Zinc, Dissolved	23000		40.0	22700	4	ug/L		-1756	70 - 130

Lab Sample ID: 680-117253-19 MSD

Matrix: Water

Analysis Batch: 403750

Client Sample ID: CC06_092815_0950

Prep Type: Dissolved

Prep Batch: 403563

%Rec.

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier						
Antimony, Dissolved	0.54	J	20.0	22.0		ug/L		107	70 - 130	2	20
Arsenic, Dissolved	5.9		40.0	51.4		ug/L		114	70 - 130	0	20
Barium, Dissolved	10		40.0	53.4		ug/L		107	70 - 130	1	20
Cadmium, Dissolved	70	B	20.0	89.1		ug/L		96	70 - 130	0	20
Chromium, Dissolved	2.1		40.0	42.4		ug/L		101	70 - 130	1	20
Cobalt, Dissolved	94		20.0	112	4	ug/L		88	70 - 130	0	20
Lead, Dissolved	28		200	209		ug/L		90	70 - 130	4	20
Molybdenum, Dissolved	0.73	J	40.0	42.9		ug/L		105	70 - 130	3	20
Nickel, Dissolved	55		40.0	90.8		ug/L		90	70 - 130	1	20
Selenium, Dissolved	1.7	J	40.0	47.1		ug/L		113	70 - 130	0	20
Silver, Dissolved	0.10	U	20.0	19.6		ug/L		98	70 - 130	1	20
Thallium, Dissolved	0.27		16.0	16.8		ug/L		103	70 - 130	3	20
Vanadium, Dissolved	3.4		40.0	44.7		ug/L		103	70 - 130	2	20

Lab Sample ID: 680-117253-19 MSD

Matrix: Water

Analysis Batch: 403750

Client Sample ID: CC06_092815_0950

Prep Type: Dissolved

Prep Batch: 403563

%Rec.

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier						
Beryllium, Dissolved	15	U F1	20.0	31.6	J F1	ug/L		158	70 - 130	0	20
Copper, Dissolved	5700		40.0	5500	4	ug/L		-510	70 - 130	2	20

TestAmerica Savannah

QC Sample Results

Client: Weston Solutions, Inc.

Project/Site: Gold King Mine - Region 8 (Waters)

TestAmerica Job ID: 680-117253-3

Method: 200.8 - Metals (ICP/MS) (Continued)

Lab Sample ID: 680-117253-19 MSD

Matrix: Water

Analysis Batch: 403750

Client Sample ID: CC06_092815_0950

Prep Type: Dissolved

Prep Batch: 403563

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier						
Manganese, Dissolved	32000		200	31200	4	ug/L	-524	70 - 130	1	20	
Zinc, Dissolved	23000		40.0	22400	4	ug/L	-2525	70 - 130	1	20	

Method: 2340B-2011 - Total Hardness (as CaCO₃) by calculation

Lab Sample ID: MB 680-403773/1

Matrix: Water

Analysis Batch: 403773

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Total Hardness	3.3	U	3.3	3.3	mg/L			10/01/15 11:58	1

Method: 245.1 - Mercury (CVAA)

Lab Sample ID: MB 680-403571/13-A

Matrix: Water

Analysis Batch: 403708

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 403571

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury	0.080	U	0.20	0.080	ug/L		09/30/15 12:05	09/30/15 16:42	1

Lab Sample ID: LCS 680-403571/15-A

Matrix: Water

Analysis Batch: 403708

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 403571

Analyte	Spike	LCS	LCS	Unit	D	%Rec	Limits
	Added						
Mercury	2.50	2.35		ug/L		94	85 - 115

Lab Sample ID: 680-117253-19 MS

Matrix: Water

Analysis Batch: 403708

Client Sample ID: CC06_092815_0950

Prep Type: Total/NA

Prep Batch: 403571

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	Limits
	Result	Qualifier	Added	Result	Qualifier				
Mercury	0.080	U	1.00	0.924		ug/L	92	70 - 130	

Lab Sample ID: 680-117253-19 MSD

Matrix: Water

Analysis Batch: 403708

Client Sample ID: CC06_092815_0950

Prep Type: Total/NA

Prep Batch: 403571

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier						
Mercury	0.080	U	1.00	0.924		ug/L	92	70 - 130	0	20	

Lab Sample ID: MB 680-403581/1-A

Matrix: Water

Analysis Batch: 403708

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 403581

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury, Dissolved	0.080	U	0.20	0.080	ug/L		09/30/15 12:42	09/30/15 18:08	1

TestAmerica Savannah

QC Sample Results

Client: Weston Solutions, Inc.

Project/Site: Gold King Mine - Region 8 (Waters)

TestAmerica Job ID: 680-117253-3

Method: 245.1 - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 680-403581/3-A

Matrix: Water

Analysis Batch: 403708

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 403581

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.
Mercury, Dissolved	2.50	2.39		ug/L		96	85 - 115

Lab Sample ID: 680-117253-20 MS

Matrix: Water

Analysis Batch: 403708

Client Sample ID: GSP1_092815_1118

Prep Type: Dissolved

Prep Batch: 403581

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec.
Mercury, Dissolved	0.080	U	1.00	0.932		ug/L		93	70 - 130

Lab Sample ID: 680-117253-20 MSD

Matrix: Water

Analysis Batch: 403708

Client Sample ID: GSP1_092815_1118

Prep Type: Dissolved

Prep Batch: 403581

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	RPD
Mercury, Dissolved	0.080	U	1.00	0.935		ug/L		93	70 - 130

Lab Sample ID: 680-117253-B-10-D MS

Matrix: Water

Analysis Batch: 403708

Client Sample ID: Matrix Spike

Prep Type: Dissolved

Prep Batch: 403581

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	RPD
Mercury, Dissolved	0.080	U	1.00	0.962		ug/L		96	70 - 130

Lab Sample ID: 680-117253-B-10-E MSD

Matrix: Water

Analysis Batch: 403708

Client Sample ID: Matrix Spike Duplicate

Prep Type: Dissolved

Prep Batch: 403581

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	RPD
Mercury, Dissolved	0.080	U	1.00	0.965		ug/L		97	70 - 130

Method: 2320B-2011 - Alkalinity, Total

Lab Sample ID: MB 680-403707/7

Matrix: Water

Analysis Batch: 403707

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	5.0	U		5.0	mg/L			09/30/15 15:31	1

Lab Sample ID: LCS 680-403707/8

Matrix: Water

Analysis Batch: 403707

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.
Alkalinity	248	239		mg/L		96	80 - 120

TestAmerica Savannah

QC Sample Results

Client: Weston Solutions, Inc.

Project/Site: Gold King Mine - Region 8 (Waters)

TestAmerica Job ID: 680-117253-3

Method: 2320B-2011 - Alkalinity, Total (Continued)

Lab Sample ID: LCSD 680-403707/28

Matrix: Water

Analysis Batch: 403707

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec.	RPD	RPD Limit
Alkalinity	248	243		mg/L		98	80 - 120	2 / 30

Lab Sample ID: 680-117253-C-16 DU

Matrix: Water

Analysis Batch: 403707

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Alkalinity	5.0	U	5.0	U	mg/L		NC	30

Method: 4500 H+ B-2011 - pH

Lab Sample ID: LCS 680-403706/5

Matrix: Water

Analysis Batch: 403706

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec.	RPD	RPD Limit
pH	7.00	7.130		SU		102	63 - 158	

Lab Sample ID: 680-117253-C-16 DU

Matrix: Water

Analysis Batch: 403706

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
pH	6.16		6.140		SU		0.3	40

QC Association Summary

Client: Weston Solutions, Inc.

Project/Site: Gold King Mine - Region 8 (Waters)

TestAmerica Job ID: 680-117253-3

HPLC/IC

Analysis Batch: 403575

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117213-F-5 DU	Duplicate	Total/NA	Water	300.0	
680-117213-F-6 MS	Matrix Spike	Total/NA	Water	300.0	
680-117213-F-6 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0	
680-117253-19	CC06_092815_0950	Total/NA	Water	300.0	
680-117253-20	GSP1_092815_1118	Total/NA	Water	300.0	
LCS 680-403575/3	Lab Control Sample	Total/NA	Water	300.0	
LCSD 680-403575/4	Lab Control Sample Dup	Total/NA	Water	300.0	
MB 680-403575/2	Method Blank	Total/NA	Water	300.0	

Analysis Batch: 403728

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117253-19	CC06_092815_0950	Total/NA	Water	300.0	
680-117253-20	GSP1_092815_1118	Total/NA	Water	300.0	
680-117253-C-16 DU	Duplicate	Total/NA	Water	300.0	
680-117253-C-16 MS	Matrix Spike	Total/NA	Water	300.0	
680-117253-C-16 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0	
LCS 680-403728/38	Lab Control Sample	Total/NA	Water	300.0	
LCSD 680-403728/39	Lab Control Sample Dup	Total/NA	Water	300.0	
MB 680-403728/37	Method Blank	Total/NA	Water	300.0	

Analysis Batch: 403729

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117253-19	CC06_092815_0950	Total/NA	Water	300.0	
680-117253-20	GSP1_092815_1118	Total/NA	Water	300.0	
680-117253-C-16 DU	Duplicate	Total/NA	Water	300.0	
680-117253-C-16 MS	Matrix Spike	Total/NA	Water	300.0	
680-117253-C-16 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0	
LCS 680-403729/72	Lab Control Sample	Total/NA	Water	300.0	
LCSD 680-403729/73	Lab Control Sample Dup	Total/NA	Water	300.0	
MB 680-403729/71	Method Blank	Total/NA	Water	300.0	

Metals

Prep Batch: 403563

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117253-19	CC06_092815_0950	Dissolved	Water	200	
680-117253-19 MS	CC06_092815_0950	Dissolved	Water	200	
680-117253-19 MSD	CC06_092815_0950	Dissolved	Water	200	
680-117253-20	GSP1_092815_1118	Dissolved	Water	200	
LCS 680-403563/2-A	Lab Control Sample	Total/NA	Water	200	
MB 680-403563/1-A	Method Blank	Total/NA	Water	200	

Prep Batch: 403569

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117253-19	CC06_092815_0950	Dissolved	Water	200	
680-117253-19 MS	CC06_092815_0950	Dissolved	Water	200	
680-117253-19 MSD	CC06_092815_0950	Dissolved	Water	200	
680-117253-20	GSP1_092815_1118	Dissolved	Water	200	
LCS 680-403569/2-A	Lab Control Sample	Total/NA	Water	200	
MB 680-403569/1-A	Method Blank	Total/NA	Water	200	

TestAmerica Savannah

QC Association Summary

Client: Weston Solutions, Inc.

Project/Site: Gold King Mine - Region 8 (Waters)

TestAmerica Job ID: 680-117253-3

Metals (Continued)

Prep Batch: 403571

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117253-19	CC06_092815_0950	Total/NA	Water	245.1	
680-117253-19 MS	CC06_092815_0950	Total/NA	Water	245.1	
680-117253-19 MSD	CC06_092815_0950	Total/NA	Water	245.1	
680-117253-20	GSP1_092815_1118	Total/NA	Water	245.1	
LCS 680-403571/15-A	Lab Control Sample	Total/NA	Water	245.1	
MB 680-403571/13-A	Method Blank	Total/NA	Water	245.1	

Prep Batch: 403576

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117253-19	CC06_092815_0950	Total/NA	Water	200	
680-117253-20	GSP1_092815_1118	Total/NA	Water	200	
680-117253-20 MS	GSP1_092815_1118	Total/NA	Water	200	
680-117253-20 MSD	GSP1_092815_1118	Total/NA	Water	200	
LCS 680-403576/2-A	Lab Control Sample	Total/NA	Water	200	
MB 680-403576/1-A	Method Blank	Total/NA	Water	200	

Prep Batch: 403578

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117253-19	CC06_092815_0950	Total/NA	Water	200	
680-117253-20	GSP1_092815_1118	Total/NA	Water	200	
680-117253-20 MS	GSP1_092815_1118	Total/NA	Water	200	
680-117253-20 MSD	GSP1_092815_1118	Total/NA	Water	200	
LCS 680-403578/2-A	Lab Control Sample	Total/NA	Water	200	
MB 680-403578/1-A	Method Blank	Total/NA	Water	200	

Prep Batch: 403581

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117253-19	CC06_092815_0950	Dissolved	Water	245.1	
680-117253-20	GSP1_092815_1118	Dissolved	Water	245.1	
680-117253-20 MS	GSP1_092815_1118	Dissolved	Water	245.1	
680-117253-20 MSD	GSP1_092815_1118	Dissolved	Water	245.1	
680-117253-B-10-D MS	Matrix Spike	Dissolved	Water	245.1	
680-117253-B-10-E MSD	Matrix Spike Duplicate	Dissolved	Water	245.1	
LCS 680-403581/3-A	Lab Control Sample	Total/NA	Water	245.1	
MB 680-403581/1-A	Method Blank	Total/NA	Water	245.1	

Analysis Batch: 403708

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117253-19	CC06_092815_0950	Dissolved	Water	245.1	403581
680-117253-19	CC06_092815_0950	Total/NA	Water	245.1	403571
680-117253-19 MS	CC06_092815_0950	Total/NA	Water	245.1	403571
680-117253-19 MSD	CC06_092815_0950	Total/NA	Water	245.1	403571
680-117253-20	GSP1_092815_1118	Dissolved	Water	245.1	403581
680-117253-20	GSP1_092815_1118	Total/NA	Water	245.1	403571
680-117253-20 MS	GSP1_092815_1118	Dissolved	Water	245.1	403581
680-117253-20 MSD	GSP1_092815_1118	Dissolved	Water	245.1	403581
680-117253-B-10-D MS	Matrix Spike	Dissolved	Water	245.1	403581
680-117253-B-10-E MSD	Matrix Spike Duplicate	Dissolved	Water	245.1	403581
LCS 680-403571/15-A	Lab Control Sample	Total/NA	Water	245.1	403571
LCS 680-403581/3-A	Lab Control Sample	Total/NA	Water	245.1	403581
MB 680-403571/13-A	Method Blank	Total/NA	Water	245.1	403571

TestAmerica Savannah

QC Association Summary

Client: Weston Solutions, Inc.

Project/Site: Gold King Mine - Region 8 (Waters)

TestAmerica Job ID: 680-117253-3

Metals (Continued)

Analysis Batch: 403708 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 680-403581/1-A	Method Blank	Total/NA	Water	245.1	403581

Analysis Batch: 403750

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117253-19	CC06_092815_0950	Dissolved	Water	200.8	403563
680-117253-19	CC06_092815_0950	Dissolved	Water	200.8	403563
680-117253-19	CC06_092815_0950	Total/NA	Water	200.8	403576
680-117253-19	CC06_092815_0950	Total/NA	Water	200.8	403576
680-117253-19 MS	CC06_092815_0950	Dissolved	Water	200.8	403563
680-117253-19 MS	CC06_092815_0950	Dissolved	Water	200.8	403563
680-117253-19 MSD	CC06_092815_0950	Dissolved	Water	200.8	403563
680-117253-19 MSD	CC06_092815_0950	Dissolved	Water	200.8	403563
680-117253-20	GSP1_092815_1118	Dissolved	Water	200.8	403563
680-117253-20	GSP1_092815_1118	Dissolved	Water	200.8	403563
680-117253-20	GSP1_092815_1118	Total/NA	Water	200.8	403576
680-117253-20	GSP1_092815_1118	Total/NA	Water	200.8	403576
680-117253-20 MS	GSP1_092815_1118	Total/NA	Water	200.8	403576
680-117253-20 MS	GSP1_092815_1118	Total/NA	Water	200.8	403576
680-117253-20 MSD	GSP1_092815_1118	Total/NA	Water	200.8	403576
680-117253-20 MSD	GSP1_092815_1118	Total/NA	Water	200.8	403576
LCS 680-403563/2-A	Lab Control Sample	Total/NA	Water	200.8	403563
LCS 680-403576/2-A	Lab Control Sample	Total/NA	Water	200.8	403576
MB 680-403563/1-A	Method Blank	Total/NA	Water	200.8	403563
MB 680-403576/1-A	Method Blank	Total/NA	Water	200.8	403576

Analysis Batch: 403758

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117253-19	CC06_092815_0950	Dissolved	Water	200.7 Rev 4.4	403569
680-117253-19	CC06_092815_0950	Dissolved	Water	200.7 Rev 4.4	403569
680-117253-19	CC06_092815_0950	Total/NA	Water	200.7 Rev 4.4	403578
680-117253-19	CC06_092815_0950	Total/NA	Water	200.7 Rev 4.4	403578
680-117253-19 MS	CC06_092815_0950	Dissolved	Water	200.7 Rev 4.4	403569
680-117253-19 MS	CC06_092815_0950	Dissolved	Water	200.7 Rev 4.4	403569
680-117253-19 MSD	CC06_092815_0950	Dissolved	Water	200.7 Rev 4.4	403569
680-117253-19 MSD	CC06_092815_0950	Dissolved	Water	200.7 Rev 4.4	403569
680-117253-20	GSP1_092815_1118	Dissolved	Water	200.7 Rev 4.4	403569
680-117253-20	GSP1_092815_1118	Dissolved	Water	200.7 Rev 4.4	403569
680-117253-20	GSP1_092815_1118	Total/NA	Water	200.7 Rev 4.4	403578
680-117253-20	GSP1_092815_1118	Total/NA	Water	200.7 Rev 4.4	403578
680-117253-20 MS	GSP1_092815_1118	Total/NA	Water	200.7 Rev 4.4	403578
680-117253-20 MS	GSP1_092815_1118	Total/NA	Water	200.7 Rev 4.4	403578
680-117253-20 MSD	GSP1_092815_1118	Total/NA	Water	200.7 Rev 4.4	403578
680-117253-20 MSD	GSP1_092815_1118	Total/NA	Water	200.7 Rev 4.4	403578
LCS 680-403569/2-A	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	403569
LCS 680-403578/2-A	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	403578
MB 680-403569/1-A	Method Blank	Total/NA	Water	200.7 Rev 4.4	403569
MB 680-403578/1-A	Method Blank	Total/NA	Water	200.7 Rev 4.4	403578

Analysis Batch: 403773

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117253-19	CC06_092815_0950	Total/NA	Water	2340B-2011	

TestAmerica Savannah

QC Association Summary

Client: Weston Solutions, Inc.

Project/Site: Gold King Mine - Region 8 (Waters)

TestAmerica Job ID: 680-117253-3

Metals (Continued)

Analysis Batch: 403773 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117253-20	GSP1_092815_1118	Total/NA	Water	2340B-2011	
MB 680-403773/1	Method Blank	Total/NA	Water	2340B-2011	

General Chemistry

Analysis Batch: 403706

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117253-19	CC06_092815_0950	Total/NA	Water	4500 H+ B-2011	
680-117253-20	GSP1_092815_1118	Total/NA	Water	4500 H+ B-2011	
680-117253-C-16 DU	Duplicate	Total/NA	Water	4500 H+ B-2011	
LCS 680-403706/5	Lab Control Sample	Total/NA	Water	4500 H+ B-2011	

Analysis Batch: 403707

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-117253-19	CC06_092815_0950	Total/NA	Water	2320B-2011	
680-117253-20	GSP1_092815_1118	Total/NA	Water	2320B-2011	
680-117253-C-16 DU	Duplicate	Total/NA	Water	2320B-2011	
LCS 680-403707/8	Lab Control Sample	Total/NA	Water	2320B-2011	
LCSD 680-403707/28	Lab Control Sample Dup	Total/NA	Water	2320B-2011	
MB 680-403707/7	Method Blank	Total/NA	Water	2320B-2011	

Lab Chronicle

Client: Weston Solutions, Inc.

Project/Site: Gold King Mine - Region 8 (Waters)

TestAmerica Job ID: 680-117253-3

Client Sample ID: CC06_092815_0950

Lab Sample ID: 680-117253-19

Matrix: Water

Date Collected: 09/28/15 09:50

Date Received: 09/30/15 09:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0 Instrument ID: CICG		2	5 mL	5 mL	403575	09/30/15 14:18	DAS	TAL SAV
Total/NA	Analysis	300.0 Instrument ID: CICH		2	5 mL	5 mL	403728	09/30/15 22:38	AJO	TAL SAV
Total/NA	Analysis	300.0 Instrument ID: CICH		50	5 mL	5 mL	403729	10/01/15 06:05	AJO	TAL SAV
Dissolved	Prep	200			50 mL	50 mL	403569	09/30/15 11:47	KMN	TAL SAV
Dissolved	Analysis	200.7 Rev 4.4 Instrument ID: ICPF		1	50 mL	50 mL	403758	09/30/15 18:11	BWR	TAL SAV
Dissolved	Prep	200			50 mL	50 mL	403569	09/30/15 11:47	KMN	TAL SAV
Dissolved	Analysis	200.7 Rev 4.4 Instrument ID: ICPF		10	50 mL	50 mL	403758	10/01/15 08:40	BWR	TAL SAV
Total/NA	Prep	200			50 mL	50 mL	403578	09/30/15 12:33	KMN	TAL SAV
Total/NA	Analysis	200.7 Rev 4.4 Instrument ID: ICPF		1	50 mL	50 mL	403758	09/30/15 22:40	BWR	TAL SAV
Total/NA	Prep	200			50 mL	50 mL	403578	09/30/15 12:33	KMN	TAL SAV
Total/NA	Analysis	200.7 Rev 4.4 Instrument ID: ICPF		10	50 mL	50 mL	403758	10/01/15 08:54	BWR	TAL SAV
Dissolved	Prep	200			50 mL	50 mL	403563	09/30/15 11:47	KMN	TAL SAV
Dissolved	Analysis	200.8 Instrument ID: ICPMSC		1	50 mL	50 mL	403750	09/30/15 18:49	BWR	TAL SAV
Dissolved	Prep	200			50 mL	50 mL	403563	09/30/15 11:47	KMN	TAL SAV
Dissolved	Analysis	200.8 Instrument ID: ICPMSC		100	50 mL	50 mL	403750	10/01/15 09:30	BWR	TAL SAV
Total/NA	Prep	200			50 mL	50 mL	403576	09/30/15 12:33	KMN	TAL SAV
Total/NA	Analysis	200.8 Instrument ID: ICPMSC		1	50 mL	50 mL	403750	09/30/15 22:35	BWR	TAL SAV
Total/NA	Prep	200			50 mL	50 mL	403576	09/30/15 12:33	KMN	TAL SAV
Total/NA	Analysis	200.8 Instrument ID: ICPMSC		100	50 mL	50 mL	403750	10/01/15 10:27	BWR	TAL SAV
Total/NA	Analysis	2340B-2011 Instrument ID: ICPF		1			403773	10/01/15 11:58	BJB	TAL SAV
Dissolved	Prep	245.1			50 mL	50 mL	403581	09/30/15 12:42	JKL	TAL SAV
Dissolved	Analysis	245.1 Instrument ID: LEEMAN2		1	50 mL	50 mL	403708	09/30/15 19:20	BJB	TAL SAV
Total/NA	Prep	245.1			50 mL	50 mL	403571	09/30/15 12:05	JKL	TAL SAV
Total/NA	Analysis	245.1 Instrument ID: LEEMAN2		1	50 mL	50 mL	403708	09/30/15 17:55	BJB	TAL SAV
Total/NA	Analysis	2320B-2011 Instrument ID: MANTECH		1			403707	09/30/15 16:55	KLD	TAL SAV
Total/NA	Analysis	4500 H+ B-2011 Instrument ID: MANTECH		1			403706	09/30/15 16:55	KLD	TAL SAV

TestAmerica Savannah

Lab Chronicle

Client: Weston Solutions, Inc.

Project/Site: Gold King Mine - Region 8 (Waters)

TestAmerica Job ID: 680-117253-3

Client Sample ID: GSP1_092815_1118

Date Collected: 09/28/15 11:18

Date Received: 09/30/15 09:35

Lab Sample ID: 680-117253-20

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	5 mL	5 mL	403575	09/30/15 12:30	DAS	TAL SAV
		Instrument ID: CICG								
Total/NA	Analysis	300.0		1	5 mL	5 mL	403728	09/30/15 22:53	AJO	TAL SAV
		Instrument ID: CICH								
Total/NA	Analysis	300.0		50	5 mL	5 mL	403729	10/01/15 06:51	AJO	TAL SAV
		Instrument ID: CICH								
Dissolved	Prep	200			50 mL	50 mL	403569	09/30/15 11:47	KMN	TAL SAV
Dissolved	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	403758	09/30/15 20:12	BWR	TAL SAV
		Instrument ID: ICPF								
Dissolved	Prep	200			50 mL	50 mL	403569	09/30/15 11:47	KMN	TAL SAV
Dissolved	Analysis	200.7 Rev 4.4		10	50 mL	50 mL	403758	10/01/15 10:43	BWR	TAL SAV
		Instrument ID: ICPF								
Total/NA	Prep	200			50 mL	50 mL	403578	09/30/15 12:33	KMN	TAL SAV
Total/NA	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	403758	09/30/15 20:30	BWR	TAL SAV
		Instrument ID: ICPF								
Total/NA	Prep	200			50 mL	50 mL	403578	09/30/15 12:33	KMN	TAL SAV
Total/NA	Analysis	200.7 Rev 4.4		10	50 mL	50 mL	403758	10/01/15 10:29	BWR	TAL SAV
		Instrument ID: ICPF								
Dissolved	Prep	200			50 mL	50 mL	403563	09/30/15 11:47	KMN	TAL SAV
Dissolved	Analysis	200.8		1	50 mL	50 mL	403750	09/30/15 20:30	BWR	TAL SAV
		Instrument ID: ICPMSC								
Dissolved	Prep	200			50 mL	50 mL	403563	09/30/15 11:47	KMN	TAL SAV
Dissolved	Analysis	200.8		100	50 mL	50 mL	403750	10/01/15 09:52	BWR	TAL SAV
		Instrument ID: ICPMSC								
Total/NA	Prep	200			50 mL	50 mL	403576	09/30/15 12:33	KMN	TAL SAV
Total/NA	Analysis	200.8		1	50 mL	50 mL	403750	09/30/15 20:53	BWR	TAL SAV
		Instrument ID: ICPMSC								
Total/NA	Prep	200			50 mL	50 mL	403576	09/30/15 12:33	KMN	TAL SAV
Total/NA	Analysis	200.8		100	50 mL	50 mL	403750	10/01/15 09:56	BWR	TAL SAV
		Instrument ID: ICPMSC								
Total/NA	Analysis	2340B-2011		1			403773	10/01/15 11:58	BJB	TAL SAV
		Instrument ID: ICPF								
Dissolved	Prep	245.1			50 mL	50 mL	403581	09/30/15 12:42	JKL	TAL SAV
Dissolved	Analysis	245.1		1	50 mL	50 mL	403708	09/30/15 19:24	BJB	TAL SAV
		Instrument ID: LEEMAN2								
Total/NA	Prep	245.1			50 mL	50 mL	403571	09/30/15 12:05	JKL	TAL SAV
Total/NA	Analysis	245.1		1	50 mL	50 mL	403708	09/30/15 18:04	BJB	TAL SAV
		Instrument ID: LEEMAN2								
Total/NA	Analysis	2320B-2011		1			403707	09/30/15 17:00	KLD	TAL SAV
		Instrument ID: MANTECH								
Total/NA	Analysis	4500 H+ B-2011		1			403706	09/30/15 17:00	KLD	TAL SAV
		Instrument ID: MANTECH								

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

TestAmerica Savannah

TestAmerica

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Serial Number 93102

Website: www.testamericainc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

THE LEADER IN ENVIRONMENTAL

THE LEADER IN ENVIRONMENTAL TESTING

Login Sample Receipt Checklist

Client: Weston Solutions, Inc.

Job Number: 680-117253-3

Login Number: 117253

List Source: TestAmerica Savannah

List Number: 1

Creator: Daughtry, Beth A

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

Certification Summary

Client: Weston Solutions, Inc.

Project/Site: Gold King Mine - Region 8 (Waters)

TestAmerica Job ID: 680-117253-3

Laboratory: TestAmerica Savannah

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Colorado	State Program	8	N/A	12-31-15

1

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